



IU5

DIODE-PENTODE

MINIATURE TYPE

IU5

GENERAL DATA

Electrical:

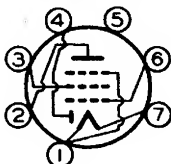
Filament, Coated:

Voltage. 1.4 dc volts
Current. 0.05 amp

Mechanical:

Mounting Position. Any
Maximum Overall Length 2-1/8"
Maximum Seated Length 1-7/8"
Length, Base Seat to Bulb Top (excluding tip). 1-1/2" \pm 3/32"
Maximum Diameter 3/4"
Bulb T-5-1/2
Base Small-Button Miniature 7-Pin
Basing Designation for BOTTOM VIEW 6BW

Pin 1-Filament (-),
Pentode
Grid No.3
Pin 2-Pentode
Plate
Pin 3-Pentode
Grid No.2



Pin 4-Diode Plate
Pin 5-No
Connection
Pin 6-Pentode
Grid No.1
Pin 7-Filament (+)

PENTODE UNIT AMPLIFIER-Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 90 max. volts
GRID-No.2 (SCREEN) VOLTAGE 90 max. volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:
Negative bias value 50 max. volts
Positive bias value 0 max. volts
TOTAL MAX.-SIGNAL CATHODE CURRENT. 3 max. ma.

Characteristics:

Plate Voltage. 67.5 . . . volts
Grid-No.2 Voltage 67.5 . . . volts
Grid-No.1 Voltage 0 . . . volts
Plate Resistance (Approx.) 0.6 . . . megohm
Transconductance 625 . . . μ mhos
Plate Current. 1.6 . . . ma.
Grid-No.2 Current. 0.4 . . . ma.

Typical Operation as Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART at front of this Section.

DIODE UNIT

The diode is located at the negative end of the filament and is independent of the pentode unit except for the common filament.

Curve shown under Type 1S5 also applies to the IU5.

JUNE 20, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

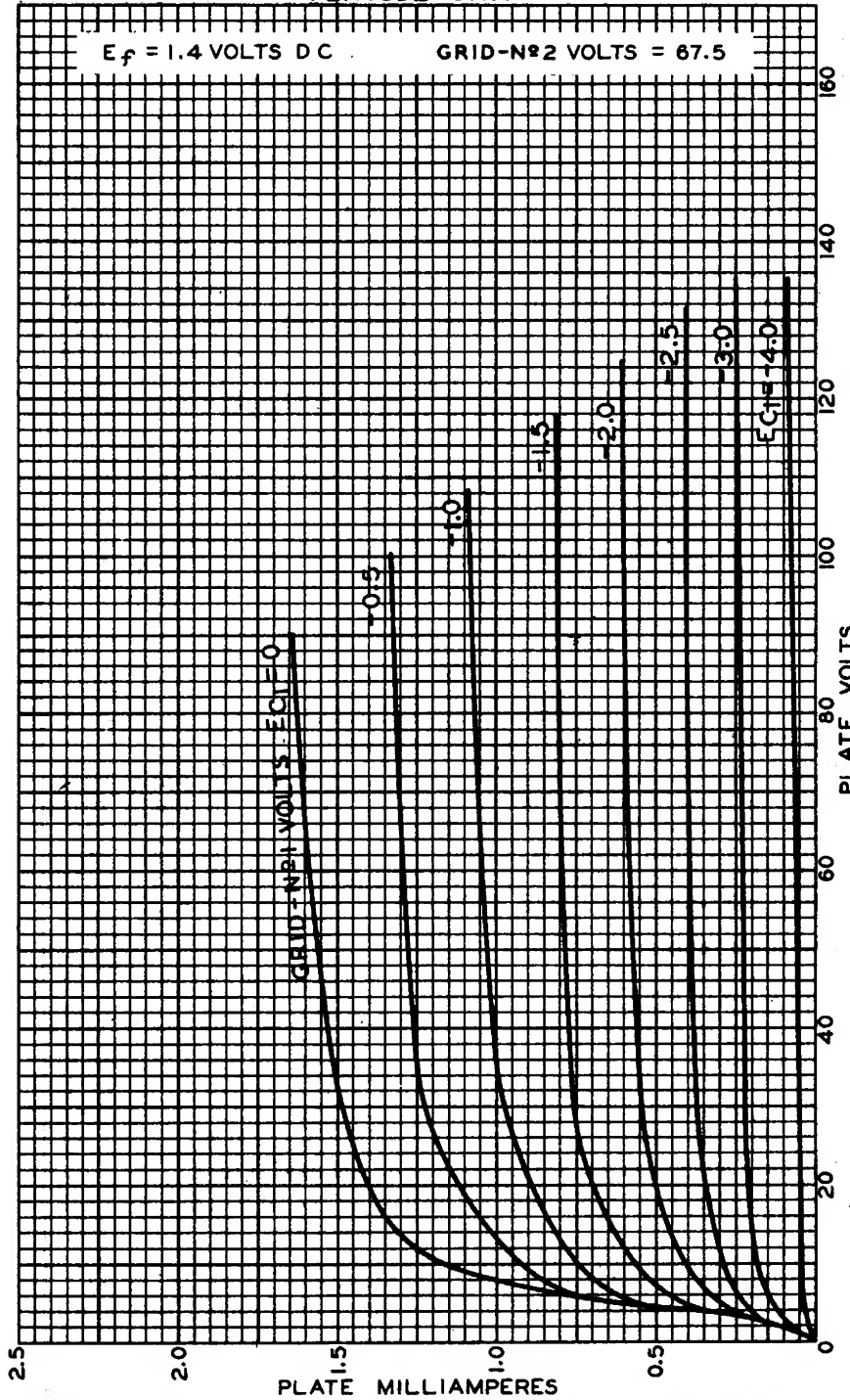
TENTATIVE DATA

IU5



IU5

AVERAGE PLATE CHARACTERISTICS PENTODE UNIT



JUNE 12, 1941

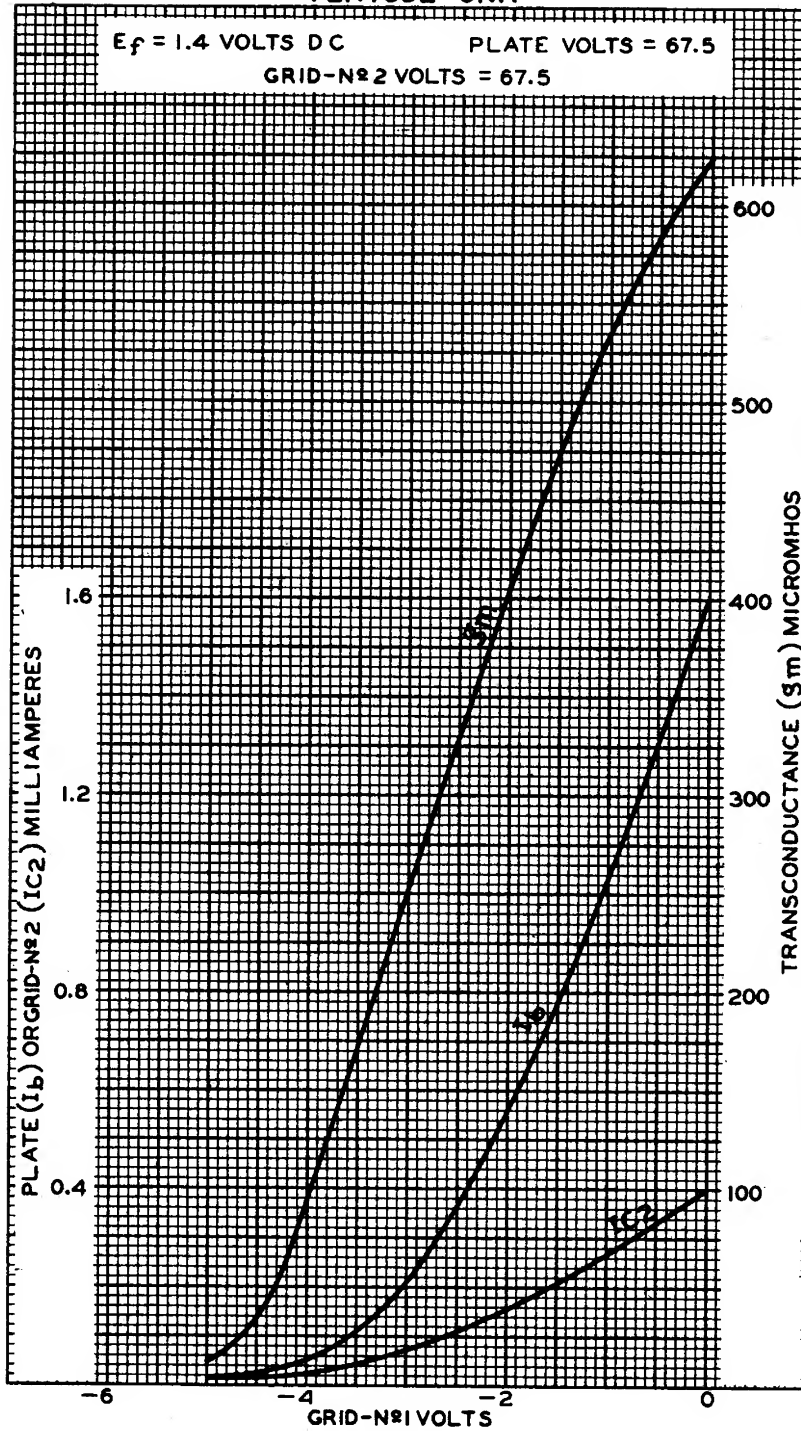
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6158R1



IU5

AVERAGE CHARACTERISTICS PENTODE UNIT



JUNE 12, 1941

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

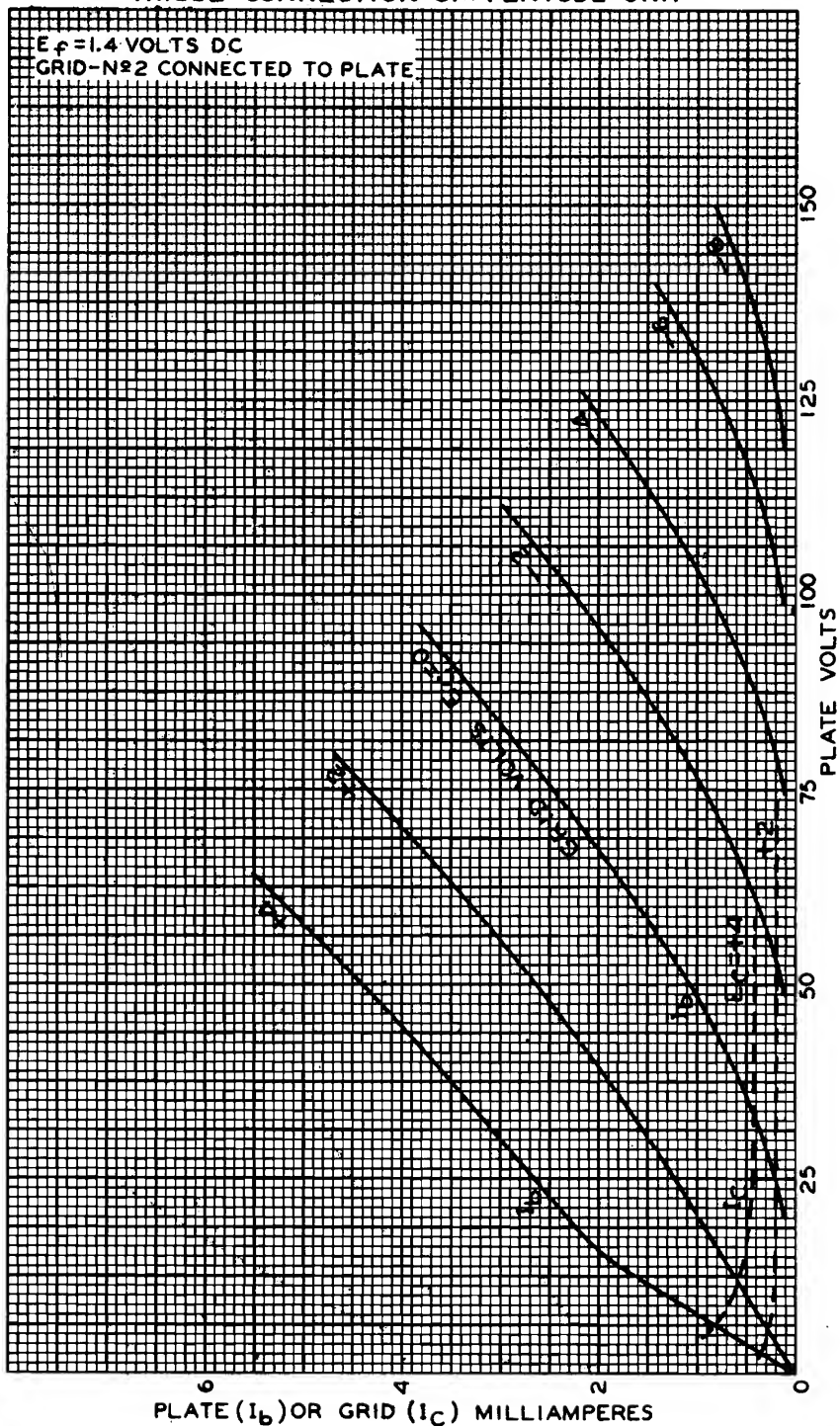
92CM-6172R1

1U5



1U5

AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION OF PENTODE UNIT



JAN. 2, 1942

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 6351R1